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Lindab Doorline

Owners manual
Dock shelters

LP403 – mechanical
LP407 – electrical

Lindab®

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1. General

1.1 Use of the manual

This manual describes how Lindab dock shelters are to be operated, which safety measures are to be observed, including a description of the dock shelter as well as how defects may be solved. This description has been made for the use by the operator of the dock shelter, and indicates that after reading the manual you shall be capable of operating the dock shelter, however not authorised to solve dock shelter-related defaults. With regard to technical defaults you are to contact a qualified engineer.

Text layout
Text in Italic: information to which extra attention is to be given.
Text in bold: important information.

Symbols used

Warning: Should instructions be preceded by this symbol, this indicates a warning regarding the possible risk of damaging the dock shelter or risk regarding occurring defaults should the instructions not be observed to the letter.

Should text be preceded by this symbol, this indicates a warning against the risk of physical injury should the instructions not be observed to the letter.

1.2 Operator/Technician

User
The user is each person handling the dock shelter, in any way.

Operator
The operator is each person who is, under normal circumstances, involved with handling the dock shelter. The operator is to be familiar with all stipulations regarding safety as detailed in this manual. The operator is not to perform any repair activities on or to the dock shelter.

Technician
The technician is a technician qualified to perform technical repairs on or to the dock shelter. He/she is qualified to perform mechanical and/or electro technical repairs to the system(s) and/or maintenance activities.

1.3 Guarantee

The guarantee conditions, as included in the General Conditions of Sales and/or Guarantee, shall be deemed legally null and void should:

1. Maintenance works and /or repairs have been performed whilst not observing the instructions to the letter.

2. Assembly/repair works have not been performed by a qualified engineer.

3. Other than original spare parts have been used.

4. Non-judicially, unjust and / or negligent handling of the materials delivered may be proven.

5. The dock shelter has been used for other purposes than for which it has been designed and constructed.

1.4 After Sales

Should defaults or problems occur or should you have any questions, please contact Lindab.

2. Safety

2.1 General

Notwithstanding all safety measures as ensured by Lindab the following aspects are to be taken into consideration:

• During the operation of the dock shelter, the surroundings are to be observed (if possible).

• One is not to insert any objects between, underneath or into the dock shelter or any moving parts of the dock shelter.

• Each person is to ensure a certain distance during the movement of the surface of the dock shelter.

• The direction of the movement of the surface of the dock shelter should not be blocked in order to ensure free movement.

The manufacturer cannot be held liable for any handling or works, which have been performed by a non-authorised, non-qualified or not sufficiently qualified user, operator or technician.

2.2 Regulative/non-regulative use

Safety precautions

• Prior to operating the dock shelter for the first time, the operator is to read the full contents of the pertaining manual.

• The dock shelter is to be used in accordance with the instructions. Any other use could result in unpredictable circumstances or occurrences and is therefore strictly forbidden.

• The instructions as stipulated in the manual are to be observed to the letter.

• Always disconnect the power (regarding electrical operated dock shelters only) prior to working on the system. Always ensure that no unauthorised activation of the power can be performed.

• Special attention is to be given to ensure that the control unit is always closed during operation (regarding electrical operated dock shelters only).

• Only a technician, who has completed an electro technical course, may open the control unit.

“Safety” comes before “Operation”.

2.3 Safety precautions with regard to the dock shelter

Safety precautions

• The manufacturer has given utmost attention to the safety of the dock shelter and provided a vast array of safety precautions.

• Periodically (1x per month) an inspection is to be carried out regarding whether or not the safety precautions are compromised and that they still perform.

• Always disconnect the power (regarding electrical operated dock shelters only) prior to working on the system. Always ensure that no unauthorised activation of the power can be performed. Moreover the working area is to be fenced off to clearly indicate the working area.

3. Description of the dock shelter

3.1 Description of the system

The dock shelter and the movable sections have been designed and constructed with regard to the opening and closing of openings in buildings during the loading- and unloading process. Depending on the model the movements (opening and closing) are manually operated, or activated by an electrical signal.

3.2 Technical data

Frame: Steel and aluminium
Motor: 230V / 0,25 kW (if applicable)
Frequency: 50 Hz
Control panel: 230V/50 Hz

3.3 Assembly, installation, inspections

The dock shelter is to be assembled by a technician approved by Lindab. Prior to the initial use of the dock shelter, the appointed technician has inspected the safety and the operation of the dock shelter, and has released it for use to the appropriate user or operator.

3.4 Operation

The dock shelter's operational system is set to the options as agreed upon with the user/operator. The functions as detailed below could therefore, based on the control technology, be available:

Mechanical operation
• Resulting in the docking of the vehicle, the closing off/sealing shall be initiated.

Electrical operation
• The push button on the control panel with regard to manual control has been positioned as such that the risk area can be viewed from the control position.

• The control panel has been provided with 2 control functions: "Open" and "Closed". As long as the control function is activated, the top cushion (series 400) shall move.

• The dock shelter functions by means of pulse control and has one button for "Open" and "Close". The end switches as integrated in the dock shelter monitor the end positions of the top cushion and upon reaching the end positions the motor shall be deactivated.

Should, after a certain pulse, the dock shelter not activate a certain function, it could be that one of the described safety precautions has been activated. In this case, please check. Should the latter not be applicable, please refer to Chapter 3.5: Troubleshooting.

3.5 Troubleshooting

Should the dock shelter not react immediately upon the activation of the control unit, or should the dock shelter for some reason halt, the following procedure is to be observed:

• Check if (optional) security devices (wheel chock, safety fence, etc.) function properly. Due to the sequence control, the functioning of the dock shelter could be influenced by a disfunctioning security device.

• Check if an obstacle is present within the direction of moment, which prevents the freedom of movement of the dock shelter. Remove the object if so required.

• Check if the plug (applicable for electrical operated doors only) is connected to the wall socket. If not, insert the plug.

Should the defects not be solved, please contact Lindab Technical Service and inform them accordingly. The user may never perform overriding the set safety precautions. Other works may not be performed by the user for this could mean termination of the guarantee.

3. Description of the dock shelter

3.6 Maintenance works

Complicated maintenance works require qualified knowledge. For your own safety we strongly advise you to contact your supplier if complicated maintenance works are required.

Skilled personnel within the own organisation can perform the following maintenance:	
What to do:	**How to do:**
Check all mounting points.	Fasten, if required.
Check all rubber springs.	Exchange damaged rubber springs.
Check top flaps, side flaps/cushion on damages.	Contact your supplier should damages be detected.

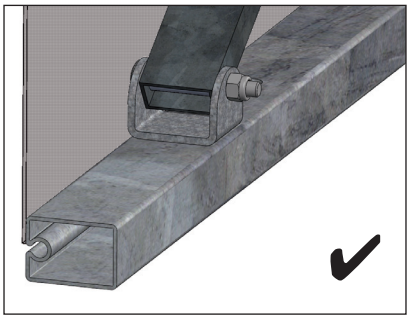

Figure 1: Bolt connection back portal in order.

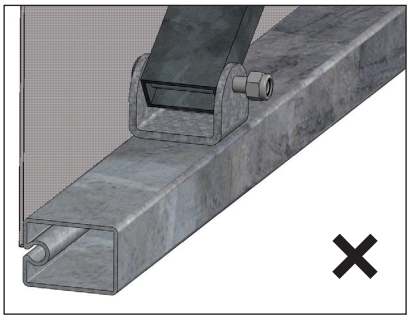

Figure 2: Bolt connection back portal too loose, tighten.

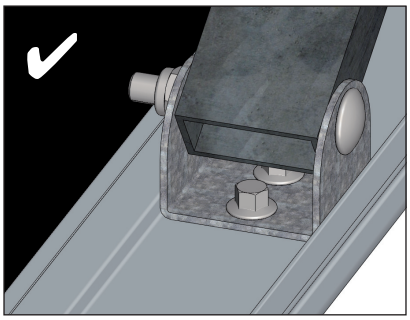

Figure 3: Bolt connection front portal in order.

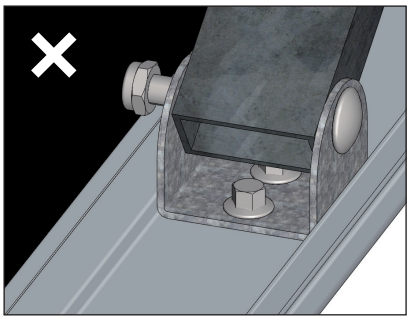

Figure 4: Bolt connection front portal too loose, tighten.

3. Description of the dock shelter

3.7 Alignment

Upon assembly the dock shelter system shall be aligned as such that the settings comply with the agreed upon requirements. The user is not to initiate any modifications to the settings. Should any modifications be applicable at a later stage, the supplier is to be contacted after which these shall be modified by the supplier.

Should any modifications be performed with regard to the settings as set by the manufacturer, either by the user or by any third party, termination of the guarantee could be a result of unauthorised modifications.

3.8 Out of operation

In order to be able to perform maintenance works (by a technician) or should the dock shelter be out of order for a longer period of time, the power is to be disconnected (applicable for electrical operated dock shelters only) and it should subsequently be safeguarded against unintended and unauthorised use.

3.9 Disassembly, removal and processing

The manufacture of the dock shelter has been as such that the disassembly shall need to be performed by qualified personnel. The manufacturer cannot be held liable and/or responsible for any unjust or incorrect disassembly as performed by third parties. With regard to the materials as used for the production of the system no specific circumstances or procedures need to be taken into consideration with regard to removal and processing. All parts are to be removed in accordance with the at that time valid environmental regulations.

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Lindab docks and shelters

Bu using Lindab loading docks, shelters and industrial overhead doors, you achieve the ultimate system to ensure a good working environment and efficient logistics. Efficient unloading and loading of goods onto vehicles is an important parameter in modern logistics systems.

For more information:
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